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atttaactga atgtaaaaat attcagctct atggggagct gagaagaact aaatattttc   780
agacacttgt tatgtgcagg ttgtttggca tatattttta aaaatctttat taataccatt   840
ttgaattaaa ttctatcccc atttaacaaa tgaggaggtg gtttctattc ttaagtaact   900
ttcccaaaat cactcaatta agtggcaagg gtgggattta atcgaagcc tatactcttt   960
cacttgtttc caaagatgcc aaactcaaaa tgtggctaaa cagtaaatct tgagcaaaga  1020
aatgatttac taggaagcag cacaatagaa catactggat gtaggaaatg ttatatatct  1080
tgatctcatt ggtggtaaca caagtatata catatgaaaa agttagtttt atccttactg  1140
ttagtactca gtgctcttat tattcctcaa aaatgaaaaa aaaagtaaaa aa          1192
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<210> 2037
<211> 228
<212> DNA
<213> Homo sapiens

<400> 2037
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ttgaggcagg agaatggcgt gaacctggga ggcggagctt gtagtgagcc aagatcatgc   180
cactcgactc cagcctgggc gacagagcga gactccgtct caaaaaaaa               228
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```
<210> 2038
<211> 711
<212> DNA
<213> Homo sapiens

<400> 2038
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atatatttag ctgcttatat ttaatgtctt gtctttaaaa ataacacgta tgacttgttg     180
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atttttatttg gaattttttga atgagctgtt tgtttgttttt taagcaaagt aattggagtg   480
aacttttcttt gattcccagg ttttctttttt tcccctttttt tcttttttta ttgcattggt   540
agatgcaggg caagaaattt attactctaa atttgtgact cagaattttta aaactaaatt    600
aacttcataa atgcgctcac ttttttctta atgcattacg tctaaccccc a              660
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```

<210> 2039
<211> 374
<212> DNA
<213> Homo sapiens

<400> 2039
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tatcagcatt taaaactagg agatttttgta ttaaaataca acatttagat ttgttggaaa    180
aatttaaaaa gtctgacaaa actgtacctt tatagtactc ctttatagga gtcagaggct     240
ggagtcaagt gttaactgtg ttggacttgc ttttcagttt gacagttcat ggtatgccaa     300
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atagagaaac atgt                                                       374
```

<210> 2040
<211> 710
<212> DNA
<213> Homo sapiens

<400> 2040
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atatatttag ctgcttatat ttaatgtctt gtctttaaaa ataacacgta tgacttgttg     180
tttgcatgct tttgcatata tacttatttg aagttaggtg cttctactga ttgactttga     240
cttttttgttc acaaaaatat agggatcttg atttatgact ggaccactta atgtattaat    300
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tgccattttt agctgtatat gtgataaaac atgtttttaat acatctcttt ttaacttcga    480
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acttttctttg attcccaggt ttttctttttt ccccttttttt ctttttttat tgcattggta   600
gatgcagggc aagaaatttaa ttactctaaa tttgtgactc agaatttttaa aactaaatta   660
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```

<210> 2041
<211> 1646
<212> DNA
<213> Homo sapiens

<400> 2041
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gagtctgagc ccttctccag ccctggggtg atgggtcttg attgatccag gtcaaattct     180
ccacagattt aattctggcc aatgaatatg agaagaaatg agaaggtgga aaggtgtctt     240
agtctacttt ttgctgctat aataaaaata ccaatacatg gggtaaatta taatgaagag     300
aaatttatct catggagttc tggaggctgg gggagtcccaa aatcaaggtg ttggcatctg    360
```

```
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ggctggaggc caataggtgg ctgaactcat tttttttatga ggaacccact cccataataa   480
cagcattaat ccactcatga gagcagagcc cccatgaccc aaccatttcc cattaggtcc    540
tacctcccca cacccactgc actggggatc aagtttccaa cacatggaac tttggggagac  600
acattcacga catagcagag gaccactgga gaaaggaagg tttttaaaga ttttttttag   660
gacactatgg aagtgatagc cattggacat ggatggtgtt tttgtttttg gcatgggaaa   720
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aagcagaaat gcaaaatta tactacgttg tgattaaagc taaacgttgt aagtgcttag    1560
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tcctggatta aaaaaaaaaa acaaaa                                         1646
```


<210> 2042
<211> 510
<212> DNA
<213> Homo sapiens

<400> 2042
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gaggttcctc ttcaaagact ttcctccctg tctaattaag aataaatagt aacttctctt    60
aggagcaaaa cttattcaaa gacctgtgct aacattctta aatatctgct agccgtaata   120
aagaaatcaa tgtactttat gttcttagct cccacaattt agcctatttg ccctggcaat   180
gcttatactg gtccaagcaa gcattaggtc atagcctgtt cctcttcctt atctgaaggt  240
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ttccagccaa tggaaactgg acacagcagt aaagtggact tgtcaagtta taaatgaccc   360
tgtctcctttt gttcggtgtt ctctcgtggc aaaactgctg gcgagtgtac cctttctgca   420
gaaagtataa aaatgacctt gctgaagaaa                                    480
                                                                     510
```


<210> 2043
<211> 1972
<212> DNA
<213> Homo sapiens

<400> 2043
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tctacttttt cctttttagtt taaggtattc tcttggagat ttaatgtact taaatttgac  180
cacaatttat tgagagccata ttctgtgtca gacattgcat tctgcactag atattcagga  240
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ctctcaactt ttttcaaaat aggaatctgc ggtatgtttt cacgtatgga gttcaggtca  360
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tatactaatt taacaagccg tggactctag gttccaccaa aaatattttg ttccatcctc   480
tctggtttca gtccatggtg tacagaaaga aaactaagga acttcagccc caaattgtca  540
aattttgcta cttaagaaac agaagattta aatctatcat tttgtcttat attccagagt  600
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aaatatgact tctcataggg tttgtgttag atatttttcag ggcagatgg atatgatgtt   720
cccatttctg ttttattgtt aaactactat tccttttgag ctgtaatgaa caattcattc  780
tgagaggcaa tatatgtttt cagtaattga cttgaataaa agtaaatgtt aaacatggag  840
```

```
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cagttggaaa aaatgttgag aagagtgttt tatataatga ttatttagta aaacattaaa     1800
aataatttct tattctggag gtttatagac atcaaaattg acaaagattc atggattata     1860
catttcatca aggtaccttt aagcgatttt ttaaaaaaaa ttctgactct aacaatgcat     1920
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```

```
<210> 2044
<211> 105
<212> DNA
<213> Homo sapiens

<400> 2044
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ctgtcctcgt gatcctcccg ccttggcctc ccaaagtgct gggat                       105
```

```
<210> 2045
<211> 949
<212> DNA
<213> Homo sapiens

<400> 2045
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aaaatttaaa tccctcttca tttagaaagg atttgaggca gctaaatgca gaggtgtaag      180
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<210> 2046
<211> 1359
<212> DNA
<213> Homo sapiens

<400> 2046
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```

```
<210> 2047
<211> 294
<212> DNA
<213> Homo sapiens

<400> 2047
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tttataataa aacataaaac caacatttct cacaagtctt tgtaactagt agagactgta   180
gttgttctgt ccagatataa gtgtggtata tcaacttggc acttagcaac attgatattt   240
aatttgttaa attttttgtta ggaagaggtg ttttcagatc tcaggtgtct ttgg        294
```

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<210> 2048
<211> 12710
<212> DNA
<213> Homo sapiens

<400> 2048
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cttttggac aagggcagaa gcaagggaat cctgacttct cactccatat catcttttcc   180
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<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 2060
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<210> 2061
<211> 340
<212> DNA
<213> Homo sapiens

2108

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<211> 340
<212> DNA
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<211> 421
<212> DNA
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<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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\<210\> 2082
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\<212\> DNA
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\<212\> DNA
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\<210\> 2084
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<213> Homo sapiens

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ctttaagatg taggcccaga tctcttagta gtgaatccct ctctttgggc ctcttggggc    180
tctgtttag caaggacagc gaggatactt tcctctctcc ctcctcctta ctcctctcta     240
ctaaggatta aggagccacc tcttcctcct taaggccttt gggagagatg ggtctcctgg    300
tattagaaag gagagcagac gcctagagtt ctgacctctt gggcctcccc taaacaaaaa    360
gcatagcccc ttcactaacc tagtaacaag tatgacctgt tgcctgttga ggtcaggtgt    420
acctgtgtgt ctctctctgt gatgtatgtg ggcttggtgt ccacatcaat gtgcgtgaat    480
actcctaccc acagactgct actgtgccaa tatagaggtt cataagaaag ataaaagaga    540
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tgtttgtggt gaggctgctg gacactgctg tttttgggctt tctagagaga atgcaaacat    660
gcaaaaacag tgtggtagtg taggcagaac aagatctaga atcagaagac ctggagtcga    720
atctcagctc caacacccac tggatgaacg tggacaagct gcttgatctc tcagatcctc    780
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gatttcttca tctgtaagat ggaaacaata tgtgtctttt ctaaggggaa agatcaaatg    840
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tagggtatct aataaagttg gggaaagaac aaaatccccc cctcacaccc tattgcacca    960
ccagccttct ccctccctgc tcaattatac ccatgttata gggaaggaaa tagggaagaa   1020
acttgtctaa ggtcacatgg atgttcgcaa caattgggat gcagaacttg atctgactcc   1080
caggccaggt ttgattttga tttgcagtgg cagagagagc taattttta ctaggttctg    1140
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ttagcatata cacgaatttg tgcagccata accactatct aattctagaa catttttatc   1260
accccaaaa gaaatcatgt acccatttgc agtcacttgc cattccctct tctccccagc    1320
cctgggaaac cactgaccta ccttatatct ctatgaattt gcctaatctg gacatttcat   1380
ataaatgcaa ttgtacatgt ggcctttgt ttctggcttc tttcacttag catgtttca    1440
aggttcattt gtgctgtagc atttatcagt actttgttcc tttttctagc tgagtaacgt   1500
gtgggtatat cacattttgt ttattcatct gttgagggat gtttgggttg tttctacttt   1560
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tgacattagg tatacagatt acaatttctg aactctgcca ttccagtgtg agagcagcca   1800
tagataatat gtaaacaaat gagcatggct atgttccaat aaaacttta aaaagcaggg    1860
gacagattgg gcctgtggac catagtatac caaccttaa tctaaatgac acattcacat    1920
gatacattat tctaaaggca caaaaagcaa aaattctccc tcccacctct gtcttccagc   1980
tacggggtta ccttccttga agcagttaat gttatgagat tttgtgtctc cttttagaca   2040
cagttaataa tgagcattaa agtggctata tacta                             2075


<210> 2092
<211> 2075
<212> DNA
<213> Homo sapiens

<400> 2092
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cttagcactg tgatgcacaa aggcttaact gggtttggca gcaagggtct catggatact    120
ctttaagatg taggcccaga tctcttagta gtgaatccct gatgttccct ctcttggggc   180
tctggtttag caaggacagc gaggatactt tcctctcctcc ctcctcctta ctcctctcta   240
ctattagaag gagagcacc tcttcctcct taaggcctt gggagagatg ggtctcctgg    300
tattagaaag gagagcagac gcctagagtt ctgacctctt gggcctcccc taaacaaaaa   360
gcatagcccc ttcactaccc tagtaacaag tatgacctgt tgcctgttga ggtcaggtgt   420
acctgtgtgt ctctctctgt gatgtatgtg ggcttggtgt ccacatcaat gtgcgtgaat   480
actcctaccc acagactgct actgtgccaa tatgagaggtt cataagaaag ataaaagaga   540
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tgtttgtggt gaggctgctg gacactgctg ttttgggctt tctagagaga atgcaaacat   660
gcaaaaacag tgtggtagtg taggcagaac aagatctaga atcagaaac ctggagtcga    720
atctcagctc caacacccac tggatgaacg tggacaagct gcttgatctc tcagatcctc   780
gatttcttca tctgtaagat ggaaacaata tgtgtctttt ctaaggggaa agatcaaatg   840
acatcatgta tgtgaaaatg cttagaaatg ggtgatgatg atgatgatga tactgattat    900
tagggtatct aataaagttg gggaaagaac aaaatccccc cctcacaccc tattgcacca    960
ccagccttct ccctccctgc tcaattatac ccatgttata gggaaggaaa tagggaagaa   1020
acttgtctaa ggtcacatgg atgttcgcaa caattgggat gcagaacttg atctgactcc   1080
caggccaggt ttgattttga tttgcagtgg cagagagagc taattttta ctaggttctg    1140
agccctgtac tgaactctgg attgccctgt acttggtggt ggtatacagt tcagcagttt   1200
ttagcatata cacgaatttg tgcagccata accactatct aattctagaa catttttatc   1260
accccaaaa gaaatcatgt acccatttgc agtcacttgc cattccctct tctccccagc    1320
cctgggaaac cactgaccta ccttatatct ctatgaattt gcctaatctg gacatttcat   1380
ataaatgcaa ttgtacatgt ggcctttgt ttctggcttc tttcacttag catgtttca    1440
aggttcattt gtgctgtagc atttatcagt actttgttcc tttttctagc tgagtaacgt   1500
gtgggtatat cacattttgt ttattcatct gttgagggat gtttgggttg tttctacttt   1560
ttgactattg tgattagtgc tgctatgaac attgatgtac agattttgt gtagatatgt    1620
tttcaattat cttgggcat ctttttattt taatgtcagt tttctatttt taaaaatct    1680
agacaggttg gcaaatcatt tctgtaaaga gtcagtaaat attttagcct ttgtggtcca   1740
tgacattagg tatacagatt acaatttctg aactctgcca ttccagtgtg agagcagcca   1800
tagataatat gtaaacaaat gagcatggct atgttccaat aaaacttta aaaagcaggg    1860
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2144

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gacagattgg gcctgtggac catagtatac caacccttaa tctaaatgac acattcacat    1920
gatacattat tctaaaggca caaaaagcaa aaattctccc tcccacctct gtcttccagc    1980
tacggggtta ccttccttga agcagttaat gttatgagat tttgtgtctc cttttagaca    2040
cagttaataa tgagcattaa agtggctata tacta                               2075


<210> 2093
<211> 478
<212> DNA
<213> Homo sapiens

<400> 2093
actgggaaca gcaggaaagg gcaaggtggt gacaatctaa gggaggcaaa tggataataa     60
ccagcatggt agggaatctt ctttgttgct gtggcactgt cgatctctgt tccctgaact    120
ctagtgtcct ccagactaga tttaaggtgt ggttccccgc taaattattc tctcacctcc    180
tttcagtctt tgctcaaaca tccttttatc agagaggctt tctgacatcc tgtgcaagat    240
agcacctctc ccccatcgct gttatcctta cccagtttaa ttccacgtag catctgccaa    300
cgcttgacat atttgttttt tgtttacttt ctggcctgtg acaactagaa tataagctct    360
gtgagagcat ttttctctta actgctttatc ttcaagtaaa cagaacagtg cctgtcctgt    420
aggaagtgtt tgatacatac agattgctca aatgaaaaaa gaaggggtgcg agcaagcc     478


<210> 2094
<211> 1011
<212> DNA
<213> Homo sapiens

<400> 2094
agtccttgag gaacagaacc ctaaaagaga gaacacctgc ctaatctgac tcctccatca     60
gaataatctt ttgaactcct gagatttgcc cagtcatttt ggggcatgt ctgatgaaag    120
cttggtgatc ccttttgggt caaaaacaag ctctgactga agagatgcaa gattttctca    180
gatgatttgt gtgtcagtca gagttccgcc agagaaacac aaccagtagg atatattcta    240
tcttgtctgt cttcatatcc atgtatctgt catctaccta gatttaatgc aaggaattgg    300
tttatgcagt tgtagggggct ggctaggcaa atccaaaatc cacagggcag gccgtgtgga    360
agggaggtct ggaaactctc agacaagacc tgacattgca gtccactggt ggaatttctc    420
cttcttcagg gaaacctcag ctttcaacgg agtggatcag acccaaccat attatccagg    480
ataatctcct ttacataaag ttaactgatt gtagatgtaa attacattta caagatacct    540
tcatagcaac acctaggtca gtttttgaat aactggggtat tatagcatag ccaggtcaac    600
acgtaaaatt gatcaccaca gtccatgtct tgttaacttg gcacctgtac acatttcctt    660
aaaccattta atctcccaat aaagacaata acaaagtaaa acttctgcct atcatgacac    720
agctaatctg tgtacaactg aaaatatgct cttttcctgg gagagaattc acagtccttg    780
actggtgttc acttttatcc ttgataatcc agtaacttta ataatattat gtaaatgtag    840
ctatttttaat aaatttttatg ttagatgaca aggggataag agagggaaga aaaaatacat    900
aaacacaaac attcataaca aaacaatgaa tactcataat aattatagta ctaacttctg    960
caactgttca catgatgtgt tttataacta ccggtgttac aaaattactg g            1011


<210> 2095
<211> 478
<212> DNA
<213> Homo sapiens

<400> 2095
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ccagcatggt agggaatctt ctttgttgct gtggcactgt cgatctctgt tccctgaact    120
ctagtgtcct ccagactaga tttaaggtgt ggttccccgc taaattattc tctcacctcc    180
tttcagtctt tgctcaaaca tccttttatc agagaggctt tctgacatcc tgtgcaagat    240
agcacctctc ccccatcgct gttatcctta cccagtttaa ttccacgtag catctgccaa    300
cgcttgacat atttgttttt tgtttacttt ctggcctgtg acaactagaa tataagctct    360
gtgagagcat ttttctctta actgctttatc ttcaagtaaa cagaacagtg cctgtcctgt    420
aggaagtgtt tgatacatac agattgctca aatgaaaaaa gaaggggtgcg agcaagcc     478
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2145

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<210> 2096
<211> 1011
<212> DNA
<213> Homo sapiens

<400> 2096
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gaataatctt ttgaactcct gagatttgcc cagtcatttt ggggccatgt ctgatgaaag     120
cttggtgatc cctttttgggt caaaaacaag ctctgactga agagatgcaa gatttctca     180
gatgatttgt gtgtcagtca gagttccgcc agagaaacac aaccagtagg atatattcta     240
tcttgtctgt cttcatatcc atgtatctgt catctaccta gatttaatgc aaggaattgg     300
tttatgcagt tgtaggggct ggctaggcaa atccaaaatc cacagggcag gccgtgtgga     360
agggaggtct ggaaactctc agacaagacc tgacattgca gtccactggt ggaatttctc     420
cttcttcagg gaaacctcag ctttcaacgg agtggatcag acccaaccat attatccagg     480
ataatctcct ttacataaag ttaactgatt gtagatgtaa attcactttta caagatacct     540
tcatagcaac acctaggtca gtttttgaat aactgggtat tatagcatag ccaggtcaac     600
acgtaaaatt gatcaccaca gtccatgtct tgttaacttg gcacctgtac acatttcctt     660
aaaccattta atctcccaat aaagacaata acaaagtaaa acttctgcct atcatgacac     720
agctaatctg tgtacaactg aaaatatgct ctttccctgg gagagaattc acagtccttg     780
actggtgttc acttttatcc ttgataatcc agtaacttta ataatattat gtaaatgtag     840
ctattttaat aaatttttatg ttagatgaca aggggataag agagggaaga aaaaatacat     900
aaacacaaac attcataaca aaacaatgaa tactcataat aattatagta ctaacttctg     960
caactgttca catgatgtgt tttataacta ccggtgttac aaaattactg g             1011


<210> 2097
<211> 981
<212> DNA
<213> Homo sapiens

<400> 2097
ataacttcga tgtactggac ttgcatttcc acttccgcca cgcgagggag aacctgcact      60
gggacggggt gcactggaat ggacgtgtgc accgctgcct ctcccagctg ctgctggccc     120
acgtggccga cgcctggggt gtggagctgc cccaccgcca ccccgtgggc gagtggatca     180
agaagaaaaa acctggcccg agagtcgaag ggccgcccca ggccaacaga aatcacccgg     240
ccttacctct gtccccaccc ttaccttccc ccacataccg ccccctgctt gggttccac     300
ccagcgcctt gccgctgctc ccgctcctgt ccccacagcc tcctcctccc attctccatc     360
accagggaat gccccggttc ccacagggtc cccagatgc ctgtttttcc tcagaccata     420
ctttccagtc ggatcaattc tattgccatt cagatgtccc ctcatcagcc catgcaggtt     480
tcttcgtcga agacaatttt atggttggtc ctcagctgcc tatgccctte ttcccacac     540
cccgttatca gcggcctgcc ccagtggtac ataggggttt tggcaggtat cgtccccgtg     600
gccctatac gccctgggga cagcggcctc gaccttcaaa gagaaggggcc ccagccaatc     660
ctgagccaag gcctcaatag acggacctag gccttatttc ctctttatga acatggattg     720
gacagatctg acacttcctt tccattgctt ggcctgaaca gactgacctt gttaacttaa     780
gcctggagtc catgcctcgt cttctttttg ttcattgctg ttaccaagaa agccaaggaa     840
gagcagcctg actcattctt cttggctgca gcctcttccc cacttcctgg gagtgaccca     900
gcgttattcc tgcctcctca ctcctattct ctttgccttt gtgtaaaaat aaaatggaaa     960
taaacaagtt gcacagaagt a                                               981


<210> 2098
<211> 981
<212> DNA
<213> Homo sapiens

<400> 2098
ataacttcga tgtactggac ttgcatttcc acttccgcca cgcgagggag aacctgcact      60
gggacggggt gcactggaat ggacgtgtgc accgctgcct ctcccagctg ctgctggccc     120
acgtggccga cgcctggggt gtggagctgc cccaccgcca ccccgtgggc gagtggatca     180
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agaagaaaaa acctggcccg agagtcgaag ggccgcccca ggccaacaga aatcacccgg    240
ccttacctct gtccccaccc ttacttccc ccacataccg cccctgctt gggttccac     300
cccagcgctt gccgctgctc ccgctcctgt ccccacagcc tcctcctccc attctccatc    360
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ctttccagtc ggatcaattc tattggccatt cagatgtccc ctcatcagcc catgcaggtt   480
tcttcgtcga agacaatttt atggttggtc ctcagctgcc tatgcccttc ttcccacac    540
cccgttatca gcggcctgcc ccagtggtac atagggtt tggcaggtat cgtccccgtg      600
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ctgagccaag gcctcaatag acggacctag gccttatttc ctctttatga acatggattg    720
gacagatctg acacttcctt tccattgctt ggcctgaaca gactgacctt gttaacttaa    780
gcctggagtc catgcctcgt cttccttttg ttcattgctg ttaccaagaa agccaaggaa    840
gagcagcctg actcattctt cttggctgca gcctcttccc cacttcctgg gagtgaccca    900
gcgttattcc tgcctcctca ctcctattct ctttgcctt gtgtaaaaat aaaatggaaa     960
taaacaagtt gcacagaagt a                                              981
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<210> 2099
<211> 984
<212> DNA
<213> Homo sapiens

<400> 2099
gtggcatagc gctaaccaaa tccacttagg cttctgggct gcctccaggc tcttggctag    60
gcattctgct agcactctca tccctgggga gggtggatca tacttggctc ctccccacca    120
ggtggaacct gagcctccaa cagcagcctc aggtcattca taggtcaagc cccaggcctg   180
aactgccact agacaaggct tttggctccc ttcctgccct ctcgccaatc tcccaggtcc    240
gggcttggtg gagcctgtta tgcgggcact ccaggtccac tccctcaggg cagaggccac   300
agcgccatcc ccttccccat ggtctcccta cccccaacct gcactggggcg ctccgcccag  360
aggtgagtcc catccagccc ttctctcctt ctgtcctagc catcccagca gccatcctgt   420
gcaaaggaag gagctaggct gtgcgccctg ggcgtcatga tccttctgcg ggctccgaa   480
gtgcggcagc tgcttcacaa taagttcgtg gtcatcctgg gggactctgt gcatagggca   540
gtatacaagg acctggtgct tctgctgcag aaggaccgcc tgctcactcc cgggcagctt   600
agagcaaggg gggagctgaa cttcgaacaa gatgagctgg tggacggagg ccagcgggc   660
cacatgcaca acggccttaa ctaccgtgag gtccgcgagt tccgctccga ccaccatctg   720
gtacgttttt acttcctcac ccgcgtgtac tccgattacc tccagaccat cttgaaagag   780
ctgcagtcgg gcgagcacgc ccccgacctg gtcatcatga attcctgcct ctgggacatc   840
tccaggtatg gtccgaactc ctggagaagc tacctggaga acctggagaa cctgttccag   900
tgcctgggcc aggtgctgcc cgagtcttgc ctcctggtgt ggaacacggc catgcctgtg   960
ggcgaggaag tcaccggggg tttt                                          984
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```
<210> 2100
<211> 118
<212> DNA
<213> Homo sapiens

<400> 2100
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attttagta gagacgaggt ttctccgtgt tggtcaggct ggtcttgaac tcctgacc      118
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```
<210> 2101
<211> 984
<212> DNA
<213> Homo sapiens

<400> 2101
gtggcatagc gctaaccaaa tccacttagg cttctgggct gcctccaggc tcttggctag    60
gcattctgct agcactctca tccctgggga gggtggatca tacttggctc ctccccacca    120
ggtggaacct gagcctccaa cagcagcctc aggtcattca taggtcaagc cccaggcctg   180
aactgccact agacaaggct tttggctccc ttcctgccct ctcgccaatc tcccaggtcc    240
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gggcttggtg gagcctgtta tgcgggcact ccaggtccac tccctcaggg cagaggccac    300
agcgccatcc ccttccccat ggtctcccta cccccaacct gcactgggcg ctccgcccag    360
aggtgagtcc ctcccagccc ttctctcctt ctgtcctagc catccgcaga gccatcctgt    420
gcaaaggaag gagctaggct gtgcgccctg ggcgtcatga tccttctgcg ggcctccgaa    480
gtgcggcagc tgcttcacaa taagttcgtg gtcatcctgg gggactctgt gcatagggca    540
gtatacaagg acctggtgct tctgctgcag aaggaccgcc tgctcactcc cgggcagctt    600
agagcaaggg gggagctgaa cttcgaacaa gatgagctgg tggacggagg ccagcggggc    660
cacatgcaca acggccttaa ctaccgtgag gtccgcgagt tccgctccga ccaccatctg    720
gtacgttttt acttcctcac ccgcgtgtac tccgattacc tccagaccat cttgaaagag    780
ctgcagtcgg cgagcacgc ccccgacctg gtcatcatga attcctgcct ctgggacatc    840
tccaggtatg gtccgaactc ctggagaagc tacctggaga acctggagaa cctgttccag    900
tgcctgggcc aggtgctgcc cgagtcttgc ctcctggtgt ggaacacggc catgcctgtg    960
ggcgaggaag tcaccgggg tttt                                            984
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<210> 2102
<211> 173
<212> DNA
<213> Homo sapiens

<400> 2102
cattagcagc ttttaatcca ctaaaaaaac aagagtcttg gagaatggga cctttatctt     60
atctctgtgt ctcaaatctt agcacaacgc ctggcactta ataaatactg aatagcattt    120
ctggatgaat caacgagtga atgaagagat ggcttataaa taaatatttc tga           173
```


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<210> 2103
<211> 5033
<212> DNA
<213> Homo sapiens

<400> 2103
cgcagaacca ggaaagtaac ggctacgac agtgagaaat agtttcgctc gccggctaga      60
aaaactctgt cggtaccaac cccagagcgt tgagagcagc ccacctccac gcttccttaa    120
cggagaggtg caggactcag acttcaccag cccactcggt cccagccttg tacgcaaaga    180
gacgccaagg acgcgctctc ccgcgtccag gcagcccag cttgctggct tgcctgcccg    240
cctgcgtgca gcactcggcc ggcgtgcagc atgaccctgt ggaacggcgt actgcctttt    300
tacccccagc cccggcatgc cgcaggcttc agcgttccac tgctcatcgt tattctagtg    360
tttttggctc tagcagcaag cttcctgctc atcttgccgg ggatccgtgg ccactcggta    420
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tggagtgaag tcaggagtct ggtgcagcaa gcaccccttt ccaaggatag ggagagctcc    600
ccatccagga tatcctggag aaggaccca gctgggtcct tgggaaggct gctgcagaga    660
atgggcaccc agtccagtaa tcctgaggaa cagtataggc ttcttgtgct ggagggcctc    720
ccacctctcc caggactaaa gctgcactct catcccatcc ggtgggtgat gaccttcagg    780
ccaaaaggac agatgccagc agctcagact gcagtgttcc ccttttgcact gggttgagac    840
acatgtgtat gggtgcctca tcctcaggac tgagactccc acattggatt agaagttgga    900
gccaactggg tgcattgtct tagactttcc ccctctccca gaacctaggt tgtgcatttt    960
tcagttctgg gaggacccag cttttctgca tcttaatctg tgttgctttc cctggaactg   1020
gtgcacctag gagtatctgc attcccacct cctcccctcg gagatcaggc tggggcctcc   1080
ctcttctgag ggaggtgacc cctgcgtgcc tagcacttct ggactcactg agcctcacca   1140
agcagtgact ggaccaggag gcagaaccag gaccaggcgc cagacagcta ggggagtgaa   1200
ggtggtggaa gagtgccaag aagtggggt ggagggagag tgctgttagg gtagatggga   1260
aatgggcta gggaggtgaa agtgcgtggt cacaaaatat cagaaatgcc agtagcccag   1320
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<212> DNA
<213> Homo sapiens

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2158

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<210> 2113
<211> 854
<212> DNA
<213> Homo sapiens

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<211> 397
<212> DNA
<213> Homo sapiens

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ttggccccgg cttccccgtc tataaaatga tttacattat ctgctcaaat ttccgacaag     360
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<210> 2115
<211> 364
<212> DNA
<213> Homo sapiens

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<210> 2116
<211> 686
<212> DNA
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2160

<213> Homo sapiens

<220>
<221> SITE
<222> (95)
<223> n equals a,t,g, or c

<400> 2116
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<210> 2117
<211> 364
<212> DNA
<213> Homo sapiens

<400> 2117
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acgc                                                                  364
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<210> 2118
<211> 288
<212> DNA
<213> Homo sapiens

<400> 2118
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tcaagctcta aatcgggggc tccctttagg gttccgattt agtgctttac ggcacctcga     180
ccccaaaaaa cttgatttgg gtgatggttc acgtagtggg ccatcgccct gatagacggt     240
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```

<210> 2119
<211> 288
<212> DNA
<213> Homo sapiens

<400> 2119
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tcaagctcta aatcgggggc tccctttagg gttccgattt agtgctttac ggcacctcga     180
ccccaaaaaa cttgatttgg gtgatggttc acgtagtggg ccatcgccct gatagacggt     240
ttttcgccct ttgacgttgg agtccacgtt ctttaatagt ggactctt                 288
```

```
<210> 2120
<211> 149
<212> DNA
<213> Homo sapiens

<400> 2120
aaacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagaaaaaaa aaaaaaaaaa      60
aaaaaaagaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa     120
aaaaaacaaa aaaaaaaaaa aaaaaaaaa                                        149


<210> 2121
<211> 151
<212> DNA
<213> Homo sapiens

<400> 2121
aaaaaaaaga aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacaa      60
aaaaaacaaa aaaaaaaaaa aaaaaaaaaa taaataaaaa aaaaagagaa aaaaataaaa     120
ataaagaaat aaataaaaaa aaaaaaaaaa a                                     151


<210> 2122
<211> 202
<212> DNA
<213> Homo sapiens

<400> 2122
aaaaaaaaga aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      60
aaaaaaaaaa aaacaaaaaa taaaaaaaaa aagaaaaaaa aaaaaataaa aaaaaaaata     120
aaaaaaaaca aaaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ataaacaaaa     180
aaaaaataaa acaaaaaaaa aa                                               202


<210> 2123
<211> 4171
<212> DNA
<213> Homo sapiens

<400> 2123
aggtcagacc gggaagctga tgtatgtgat gcacaactca gagtacccat tgagctgttt      60
cgccctcttt gagaatggcc cttgccttat tgctgacacc aactttgatg tgcttatggt     120
gaagctcaag ggctttttcc agagtgctaa ggccagcaag attgagaccc ggggcaccag     180
gtaccagtac tgtgacttcc tggtgaaggt gggcacggtc acaatggggc ccagtgcccg     240
gggcatctct gtggaggtaa gaccttggtg aaaataggag caggatgttc tgagggggct     300
gcttagcaaa gggctctgaa gattttccag ttcttctctt tttttttttt tgagacagag     360
tcttgttctg tcacccaggc tggaatgcaa tggcacaatc ttggcacact gtagcctcga     420
cctccagggc tcaagtgatc cttccgcctc agtctcccaa gtacctggga ctacacccac     480
cgaattaaat tttttttttt ttttagtaga aatgaggtct tactatgttg cccaggctga     540
tctcagactc ctgggcctcaa ttgatcctca catctcagcc cccaaagtg ctggggttac     600
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tgatccctga ctccaaggca tctatgcttc ctcttcgtga atctttttatc ctttcttaa     720
ttattcagag actctctaac acagctggca agtaggaagc gggaagctgg gttcaaagca     780
agcagaaagc ttcattagga agggtggctt gctggagaag ggaaaagata gtcaaggaag     840
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ttccttagta tgctttaaga taggttggga agcaaaaatg tgctttctcc tttgcatgc    1020
tgtctgcttt ctttcatggt agaaagagtg tttgtgtgtg agatcacttc atctgtgaca    1080
cagagagtgt gtgtgtgtct gtgtatacat acacatatat agtgacaagg agtgagagtg    1140
```

```
gcagtgtagc agtggctggc ttctttggga ccagggaaag ttcacaacct ataatgtgcc   1200
cagcactgag ataagaaaac aagtaagctt gcagtctac ccttgaaaa tttgtgattt     1260
atttattaag agtgaggctg aaacacacaa actcttttg aagttagtct gaaaatgcta    1320
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ttctcacccc gttttttgtta ttttgttttct ggttttttat attgaggtat gtttttagata   4140
tagttacaa aaatataaacg cacagatctt a                                   4171
```

<210> 2124
<211> 158
<212> DNA
<213> Homo sapiens

<400> 2124
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taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa    60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaaata aaaaaaaaaa aaataaaaaa   120
```

```
aaaaaaaaaa aataaactaa aaaaaaaaaa taaaaaaa                                    158
```

```
<210> 2125
<211> 170
<212> DNA
<213> Homo sapiens
```

```
<400> 2125
gaaaaaaaaa aaaaaaaaaa aataaaaaaa aaaaagaaaa aaaaaaaaaa agaagaaaaa            60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa           120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                      170
```

```
<210> 2126
<211> 151
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (4)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (45)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (89)
<223> n equals a,t,g, or c
```

```
<400> 2126
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagga aaaanaaaga aaaaaaaaaa            60
aaaaaaaaaa agaaaaaaaa aaaaaaaana aaaaaaaaaa agaaaaaaaa aaaaaaaaaa           120
aaaaaaagaa aaagggaaaa aaaaaaaaaa a                                          151
```

```
<210> 2127
<211> 77
<212> DNA
<213> Homo sapiens
```

```
<400> 2127
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa            60
aaaaaaaaaa aaaaaaa                                                           77
```

```
<210> 2128
<211> 77
<212> DNA
<213> Homo sapiens
```

```
<400> 2128
aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa            60
ataaaaaaaa aaaaaaa                                                           77
```

```
<210> 2129
```

```
<211> 117
<212> DNA
<213> Homo sapiens

<400> 2129
gcagtggcac aatctcggct cactgcaacc tccgcctcct gggttcaagc gattctcctg      60
cctcagcctc ccgagtagct gggattacag gcgcatgcca ccatgcctgg ctaattt        117


<210> 2130
<211> 1940
<212> DNA
<213> Homo sapiens

<400> 2130
atttgtaacc aggctgtcat tccatgtttg tttggaagct tagagataac attttatgaac     60
tttgtgacac atagtagttg ctcaataaat gttaactgta gaaacacatt gattagtttc     120
acttcagaaa tagacactta gagttcaaaa ttcccatctg cctagctcct gaggcccact     180
ttcttaccag aatctttcct gataccctct cctgcataaa atggttcctc ttttgagact     240
ttgtagctct tttgtacttc tcttattctg ttacgttact gcaaaaaaa aaaaaaagaa     300
agaaaagaaa agtgccaatt gtgtacatgc tttcctccct gctggaatgt aaactttgta     360
aaggcatgat ccatagcaga tacttcttat tacaaactac ctggcagaat ttctttctaa     420
agaacctact cagtaagcct gttggtgaac tgagcaacat ttggacaatt atggcatcat     480
cttacaattt ttcagctatt ggtttcact tgtttagaaa tgtaaaactt tgcaaggact     540
tttataaaag caaatttcag aatagttatt cactaagctt ttttatgcta atgatgtcat     600
gctatcaaaa attagctaga gtaaatggac tgtaatgagg atggtttgta atctagatta     660
tatgttccac atgtaacatc gaaatgaaat ataaaattga gttgttggca tgtggttgtg     720
gtgagcgaaa gcagttatta tacattactt ggtaaaattc atattcatat cttgtcagtt     780
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tccaaaatca ttttattttc tttagcctga cttctagtag tgtttttgaat atgtggcctt     900
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gagccaagta aaaagagga gaaatctgaa taaaatcttg gttcttggtc ctctgcatgt    1080
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tgcatttggg gcttaaaacc tagatgacgg gttgaagggt acaacaaacc accgtgatac    1860
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aaaaaaaaa aaaaaaaag                                                   1940


<210> 2131
<211> 292
<212> DNA
<213> Homo sapiens

<400> 2131
atttgtaacc aggctgtcat tccatgtttg tttggaagct tagagataac atttatgaac      60
tttgtgacac atagtagttg ctcaataaat gttaactgta gaaacacatt gattagtttc     120
acttcagaaa tagacactta gagttcaaaa ttcccatctg cctagctcct gaggcccact     180
ttcttaccag aatctttcct gatacctct cctgcataaa atggttcctc ttttgagact     240
ttgtagctct tttgtacttc tcttattctg ttacgttact gcaaaaaaaa aa             292
```

<210> 2132
<211> 689
<212> DNA
<213> Homo sapiens

<400> 2132
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tttaaattgg caaagacaca tttcagtaag ggagtaaaca agagggaaac gtgttggggg   120
gaaaggtgtg gggaggaaac tctagaccag aggccctagg acttgaatat acaacttagt   180
cctgttgaaa attcagattc ctgggcctta aagtatgtta aataggtcag gggtgggggcc   240
caggagttgt acttttaacg agcaccctcc tgtgattcat ttaacataaa aggtccttgg   300
ctcacacttg gagaaacact gctgtagaaa ctcaaatacc tattttaaaa caaaggtaca   360
ttttaatcat ttagtttaaa atgaaatcat tgcataatac tgatgttaga ggttagaata   420
aacatgtact taagttcttg atattcttgt catttcagtt acatgtcagg gaatgtgatt   480
tgtgtttttga cgtattcaaa tccttgtcat attcaaccat attcgtattc aaaatatata   540
atgatttttga cccttgattg ttcgaattaa gactgtcatc ttttctgtgt gattaactct   600
tgtgttgata taaatatgcc tttggcttac taatgttcag taagaactaa tgactcttgg   660
gaatgttaat agactctgtg agtcccttt   689

<210> 2133
<211> 102
<212> DNA
<213> Homo sapiens

<400> 2133
ctatgggagg attgttgtta ttattgcttg atttacatgc tctcatttta tacaaagtgt   60
acagcacaat ttctcaaaga gtaattatga tgccaagaaa at   102

<210> 2134
<211> 689
<212> DNA
<213> Homo sapiens

<400> 2134
aattttttctt ttaatgcagt atgacacaga aaacatttgg aggatgttga aaagtaattg   60
tttaaattgg caaagacaca tttcagtaag ggagtaaaca agagggaaac gtgttggggg   120
gaaaggtgtg gggaggaaac tctagaccag aggccctagg acttgaatat acaacttagt   180
cctgttgaaa attcagattc ctgggcctta aagtatgtta aataggtcag gggtgggggcc   240
caggagttgt acttttaacg agcaccctcc tgtgattcat ttaacataaa aggtccttgg   300
ctcacacttg gagaaacact gctgtagaaa ctcaaatacc tattttaaaa caaaggtaca   360
ttttaatcat ttagtttaaa atgaaatcat tgcacaatac tgatgttaga ggttagaata   420
aacatgtact taagttcttg atattcttgt catttcagtt acatgtcagg gaatgtgatt   480
tgtgtttttga cgtattcaaa tccttgtcat attcaaccat attcgtattc aaaatatata   540
atgatttttga cccttgattg ttcgaattaa gactgtcatc ttttctgtgt gattaactct   600
tgtgttgata taaatatgcc tttggcttac taatgttcag taagaactaa tgactcttgg   660
gaatgttaat agactctgtg agtcccttt   689

<210> 2135
<211> 58181
<212> DNA
<213> Homo sapiens

<400> 2135
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agcgggagta catcaggtac catgcagcca caagtggtga acaccttgta gccggcatcc   120
atggcctggc tcatggtaag tcatggggtga catcaggctc tgctgctgct ggtcctcaga   180

2166

```
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2183

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<211> 437
<212> DNA
<213> Homo sapiens

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gtcttgaagg atcagaagtt agtcaggaga acggattcag ggggcaggag aggaagggtg    180
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<211> 854
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<213> Homo sapiens

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<213> Homo sapiens

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<211> 854
<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
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2208

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<213> Homo sapiens

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<211> 20295
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2224

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